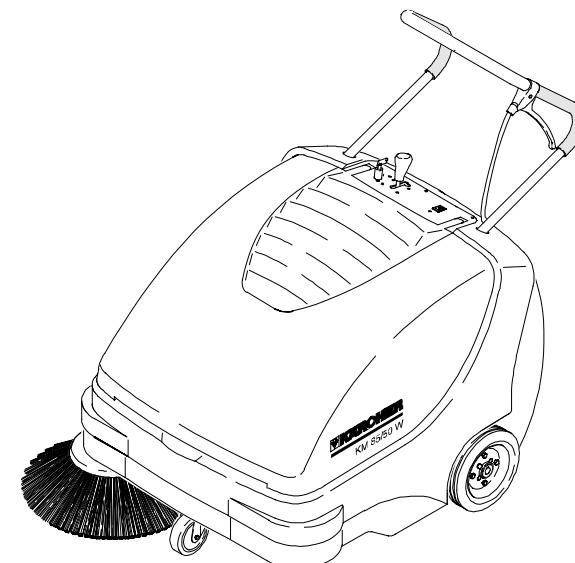
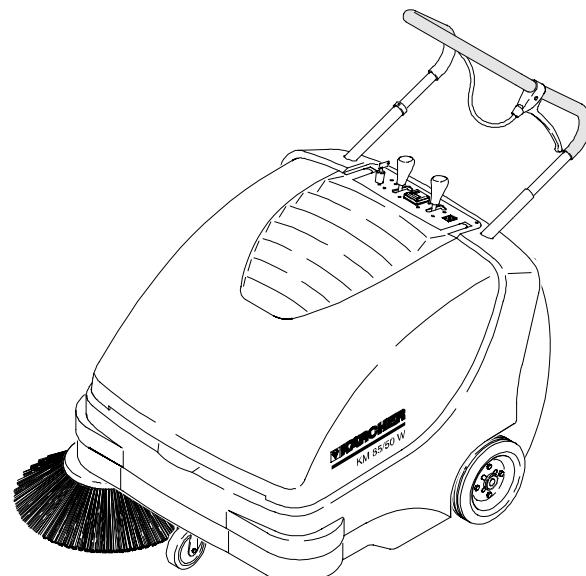




KM 85/50 W Comfort
KM 85/50 W Classic
KM 85/50 W P Comfort
KM 85/50 W P Classic

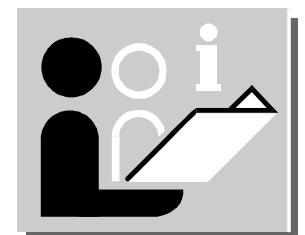


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Betriebsanleitung	3	169
Ersatzteilliste	351	351
Operating Instructions	18	183
Spare Parts List	351	351
Notice d'utilisation	33	198
Liste des pièces de rechange	351	351
Istruzioni per l'uso	49	213
Elenco pezzi di ricambio	351	351
Gebruiksaanwijzing	65	227
Reserveonderdelenlijst	351	351
Instrucciones de servicio	80	244
Lista de piezas de requesto	351	351
Manual de instruções	95	259
Lista de pecas sobresselentes	351	351
Οδηγίες λειτουργίας	110	274
Ανταλλακτικά	351	351
Driftsvejledning	127	290
Reservedelsliste	351	351
Bruksveiledning	141	305
Reservedels liste	351	351
Driftinstruktion	155	320
Reservedelslista	351	351
Käyttöohje	351	335
Varaosalista	351	351
Üzemeltetési utasítás	351	351
Cserealkatrészlista	351	351
Návod k obsluze	351	351
Seznam náhradních dílů	351	351
Navodilo za upravljanje	351	351
Seznam nadomestnih delov	351	351
Instrukcja obsługi	351	351
Lista części zamiennej	351	351
Instructiunile de folosire	351	351
Listă de piese de schimb	351	351
İşletme kılavuzu	351	351
Yedek parça listesi	351	351
Cihazın kullanım 10 yıldır.		
Руководство по эксплуатации	351	351
Запасные части	351	351
Návod k prevádzke	351	351
Zoznam náhradných dielov	351	351
Upute za upotrebu	351	351
Popis rezervnih dijelova	351	351
Upustvo za rukovanje	351	351
Spisak rezervnih d	351	351
Инструкция за работа	351	351
Списък на резервни части	351	351

Contents

For your own safety!	19	Usage instructions	22	Maintenance tasks	24	Accessories	31
General notes	19	Safety instructions when sweeping	22	Preparations	24		
Risk of overturning on too high gradients!	20	Sweeping dry ground	22	Open/close unit cover	24	Fault instructions	31
		Sweeping damp or wet ground	22	Safety notes	25		
		Driving over obstacles	23	Install battery	25	Technical data	31
For our environment	20	Stop machine	23	Charge the battery	26	Unit data	31
Caution, danger to the environment from used batteries!	20	Clean filter	23	Fuses	27	Engine	31
		Empty the swept material container	23	Reset the safety cutout	27	Filter and suction system	31
Intended use	20			Replacing the fuse	28	Unit vibrations (ISO 5349)	32
				Check the sweep roller	28	Ambient conditions	32
Function description - sweeping machine	20	Cleaning and maintenance	23	Replace the sweep roller	28	EC conformity declaration	32
		Internal cleaning	23	Checking and adjusting sweeping area of the sweeping roller	28		
Machine components	20	External cleaning	23	Replacing the side broom	29		
				Adjusting lowering of side brush	29		
Before first operating	21	Decommissioning	24	Adjusting raising of coarse-dirt flap	29		
Unloading instructions	21			Adjusting and replacing sealing strips	29		
Side broom installation	21	Transport	24	Replace the dust filter	30		
Before every operation	21						
General notes	21	Maintenance intervals	24				
Testing and maintenance work	21	Elapsed-time meter	24				
		Maintenance by the customer	24				
Commissioning	21	Maintenance by the customer service department	24				
Start machine	21						
Sweeping operation	22						
Run machine	22						

For your own safety!**General notes**

It is mandatory to read and observe this prior to using the appliance!

- Notify your sales outlet if during unpacking you detect damage that has occurred in transit.
- Read the operating instructions of your appliance prior to putting it into operation, especially the safety information.
- The danger and caution signs attached to the appliance give important tips on its safe operation.
- In addition to the instructions in the operating instructions, general safety- and accident prevention-regulations from lawgivers must be followed.

KM 85/50 W Comfort and KM 85/50 W P Comfort

- To increase your safety, for work on slopes with a gradient of more than 2 % the accessory kit (ABS) Additional Brake 2.640-301.0 n must be installed.

KM 85/50 W Classic and KM 85/50 W P Classic

- When working on downward slopes the permitted gradient is a maximum of 2 %.

Use

- Prior to utilization the appliance and its working facilities must be checked regarding their proper condition and that they operate safely. It must not be used if its condition is not faultless.
- No modifications permitted on the machine.
- Never absorb explosive liquids, inflammable gases or undiluted acids and solvents! This includes petrol, paint thinner or fuel oil, which can form explosive fumes due to the swirling suction air, in addition acetone, undiluted acids and solvents, since they corrode the materials used for the appliance.
- Do not sweep up/absorb burning or smouldering objects.

Only if expressly marked is this appliance suitable for sucking up health-hazardous dusts.

Comply with notices concerning safety regulations given in the operating instructions.

- Suitable only for the surfaces listed in the operating instructions.
- The appliance may be used on only the areas cleared for its use by the factory owner or a person authorized by him.
- Keep clear of the danger area. Its operation in explosion hazardous locations is prohibited.
- The following applies generally: Keep highly inflammable materials away from the machine (explosion/fire hazard).

Operation

- The rules, regulations and stipulations applying to motor vehicles must always be observed.
- The operator must use the unit in accordance with its intended purpose. She must adapt her mode of operation to the local conditions and when working with the appliance keep a look out for third parties, especially children.
- The unit can reverse and drive forwards at the same speed. Therefore, take care when pulling back push handle for reversing. (Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)
- The appliance may only be used by persons instructed in its handling or who have proved their capability of operating it and who are expressly authorized to use it.
- The unit must not be operated by children and youths.
- To prevent unauthorized utilization of appliances provided with an ignition key the ignition key must be removed.
- The appliance must never be left unattended as long as the motor is running. It is not permitted for the operator to leave the unit unless the engine is turned off, the unit is secured against inadvertent movement and, if applicable, the parking brake is applied and the ignition key is removed.
- On slopes the angle of inclination to the side and in the direction of motion must not exceed the value given in the operating instructions.

Transport

- The motor must be turned off when the appliance is transported.
- To lock the parking brake.
- Secure the machine with guy belts, ropes or chains.
- Immobilise the machine at the wheels with chocks.

Maintenance

- Repairs may only be carried out by approved customer service centres or by technical personnel trained in this field which are familiar with all relevant safety regulations.
- Industrially used appliances in changing locations are subject to the safety inspection according to VDE 0701.
- The battery plug and the battery itself of battery-powered units must be disconnected for work on the electrical installation.
- Prior to cleaning and performing maintenance on the unit or replacing parts or resetting it to another operation, the unit is to be switched off and, if applicable, the ignition key removed.
- Unless expressly permitted the unit may not be cleaned with hose or high-pressure water jets. (Danger of short circuits or other impairments).

Accessories and spare parts

- Only accessories and spare parts cleared by the manufacturer may be used. Genuine accessories and spare parts guarantee that the unit can be operated safely and trouble-free.

- Use only the brushes provided with the delivered unit or those specified in the operating instructions. Using other brushes can impair safety.

Battery driven appliances

- Warranty is valid only when you use the batteries and charging units recommended by Kärcher.
- It is mandatory to comply with the battery manufacturer's operating instructions. Heed the legislative recommendations on handling of batteries.
- Never leave a battery in a run down condition but recharge it as soon as possible.
- Keep the batteries always clean and dry to prevent leaking currents. Protect it from contamination, for example, by metallic dust.
- Do not place tools or similar objects on the battery. Hazard of short circuits and explosion.
- Do not under any circumstances work with an open flame, create sparks or smoke near a battery or in a battery recharging room. Explosion hazard.
- Do not touch hot parts, for example, the driving engine (hazard of burns).
- Take care when handling accumulator acid. Heed the relevant safety regulations!
- Used batteries are to be disposed of in an environmentally friendly way, according to EC-guideline 91/157 EWG.

Risk of overturning on too high gradients!



Danger!

The machine could topple over when driving and turning on slopes.

KM 85/50 W Comfort and KM 85/50 W P Comfort

- Drive only on slopes up to 15 % in the travelling direction
- Drive only on slopes up to 15 % transverse to the travelling direction.

KM 85/50 W Classic and KM 85/50 W P Classic

- Drive only on slopes up to 2 % in the travelling direction
- Drive only on slopes up to 2 % transverse to the travelling direction.

For our environment

Caution, danger to the environment from used batteries!



Do not dispose of exhausted batteries as ordinary household garbage.
Ensure environmentally compatible disposal.

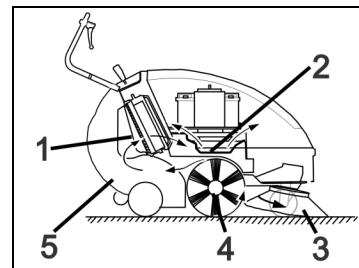
Intended use

- This sweeper is intended for sweeping inside- and outside surfaces.
- It complies with the "L" application category for non-health hazardous dusts.
- It is not intended for use on public traffic routes

Suitable surfacings:

- Asphalt
- Industrial floor
- Screed
- Concrete

Function description - sweeping machine



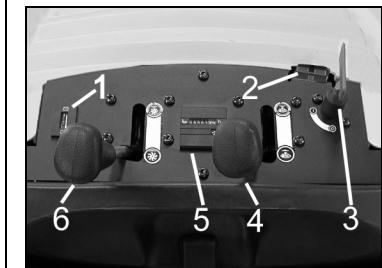
The KM 85/50 W and the KM 85/50 W P operate according to the throw-over principle.

- The side brush (3) cleans corners and edges of the sweeping surface and transports the dirt in the path of the main brush.
- The rotating main brush (4) transports the dirt directly into the debris container (5).
- The dust swirled up in the container is separated by way of the dust filter (1) and the filtered, clean air removed by the suction turbine (2).

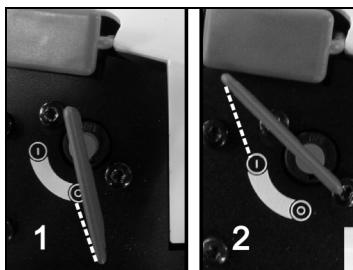
Machine components



1. Push handle
2. Lever for coarse-dirt flap
3. Unit cover
4. Unit cover's lock
5. Swivel caster with parking brake
6. Side brush
7. Debris container with transport rollers
8. Filter shaker for the dust filter
9. Push handle lock (Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)

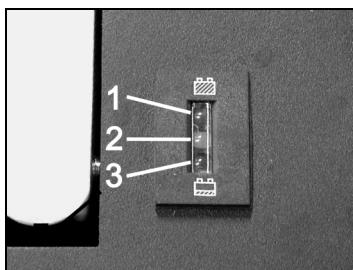


1. Battery charger's indicator LED
2. Battery charge plug (Does not apply to KM 85/50 W P Comfort, for KM 85/50 W Classic and KM 85/50 W P Classic it is on the reverse of the instrument panel)
3. Master switch with key
4. Raise / lower side brushes
5. Operating hour counter (Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)
6. Raising/lowering main brush (Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)



Master switch with key
1. "0" setting – engine OFF

2. Position "I" – engine ON



Battery charger's indicator LED

1. green
Battery is charged

2. yellow
Remaining operating time
approx. 5-10 min.

3. red
— Machine is switched off
➤ Battery must be recharged

Before first operating

Unloading instructions

- The machine was secured on a pallet with stretch belts or ropes for safe transport. Proceed as follows when unloading:
 - Cut the plastic packing tape and remove the film
 - Knock away the blocks securing the wheels and lift off the machine from the pallet



Warning!

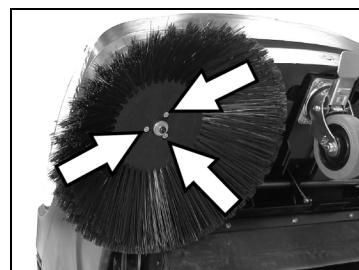
Do not use a fork lifter for unloading; the machine can be damaged by it.

Side broom installation



Warning!

- Remove the debris container prior to tilting the sweeper (see the section on "Emptying the debris container"). For KM 85/50 W Comfort and KM 85/50 W P Comfort it is additionally necessary to release the push handle lock!
- Tilt the machine back



- Push side brush onto shaft
- Fasten with screws (3 pieces)
- Tilt the machine back upright

Before every operation

General notes

- Stand sweeper on a flat surface
- Shut-off the engine
- Set parking brakes on the front of the swivel caster
- Turn the push handle lock clockwise
- The lock is engaged (Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)

Commissioning

Note:

- Initial operation permissible only if the unit's cover is closed!

Start machine



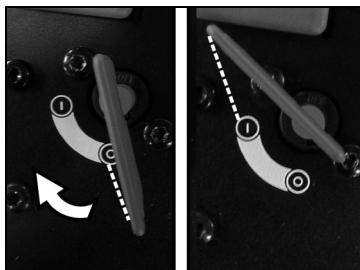
- Release parking brake



To lock push handle (idling)

(Applies only to
KM 85/50 W Comfort and
KM 85/50 W P Comfort)

- Turn push handle lock clockwise; lock is interlocked
- The unit can be moved manually



- Turn master switch clockwise to position "I"

Note:

- The sweep roller and side broom rotate

Sweeping operation**Lower side brush**

- Release lever lock



Lower main brush
(Applies only to
KM 85/50 W Comfort and
KM 85/50 W P Comfort)

- Release lever lock

Run machine**KM 85/50 W Comfort and
KM 85/50 W P Comfort**

The unit can reverse and drive forwards at the same speed. Therefore, take care when pulling back push handle for reversing.



- Turn push handle lock anticlockwise; the lock is released
- Press push handle forward; drive forward
- Pull push handle back; reverse.

**KM 85/50 W Classic and
KM 85/50 W P Classic**

- Press push handle forward; drive forward



- Raise coarse-dirt flap

Usage instructions**Safety instructions when
sweeping**

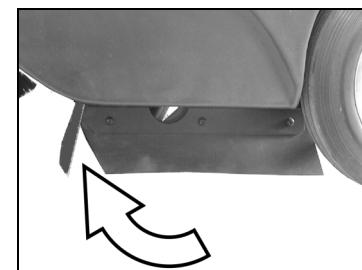
Never sweep up packing straps, wires or the like as this could damage the sweeping mechanism.



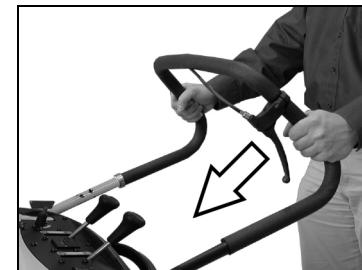
When the coarse-dirt flap is open, the main brush can hurl stones or stone chips forwards. Make sure that nobody, no animals or objects are endangered.

Note:

The coarse-dirt flap must be briefly raised for sweeping up largish objects up to a height of 50 mm, for example, drinks cans.



- Lifted coarse-dirt flap



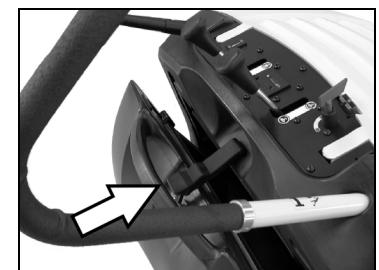
- Let down the coarse-dirt flap

Note:

An optimal cleaning effect can be achieved only when the coarse-dirt flap is completely lowered

Sweeping dry ground

- For optimum cleaning effect, match the driving speed to suit the actual conditions.
- Regularly clean-down the filter and empty the swept material container during operation.

Sweeping damp or wet ground

- Open latch of debris container, leave latch engaged
- Debris container is raised approx. 8 cm.

Note:

The dust filter is protected from moisture.

Driving over obstacles

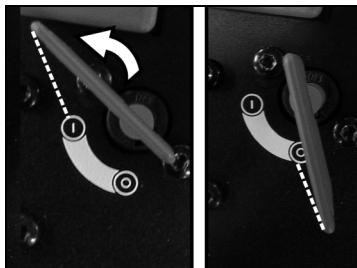
Fixed obstacles of up to 30 mm in height

- Slowly and carefully drive over them in the forward direction

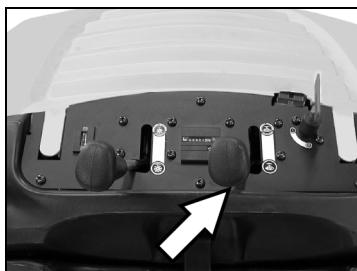
Fixed obstacles over 30 mm in height

- Drive the unit over a ramp.

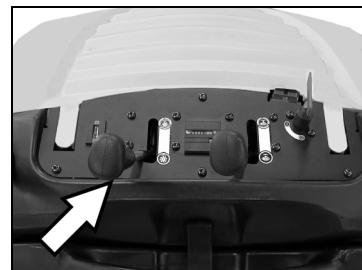
Stop machine



- Turn master switch counterclockwise to position "0"
- Turn the key beyond its "0" position and withdraw it



- Raise the side broom



- Raise the sweep roller
(Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)



Warning!

(Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)
For shut off the side brushes and the main brush must always be raised (deformation hazard of main brush or side brushes).



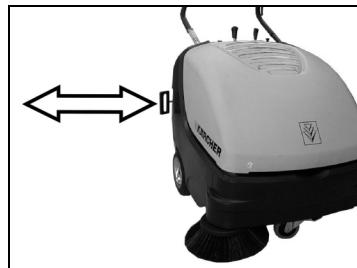
Warning!

(Applies only to KM 85/50 W Classic and KM 85/50 W P Classic)
For parking, the side brush must always be raised (otherwise danger of distorting it).



- Lock the hand brake

Clean filter



- Move the handle of the filter clean-down device to and fro several times

Empty the swept material container

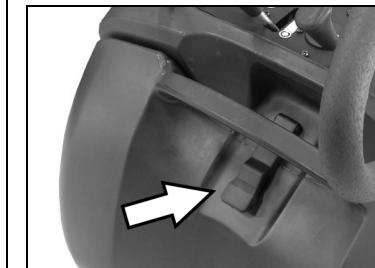
- De-dust the filter first before opening emptying the debris container.
(See chapter on de-dusting filter)



- Pull out debris container.
- Empty the swept material container.
- Push-in the swept material container.
- Engage latch at debris container
- Close latch

Note:

The debris container is provided with transport rollers



- Release latch



- Unhinge latch

Cleaning and maintenance

- Stand sweeper on a flat surface
- Lock the hand brake

Internal cleaning

Danger!
Wear dust mask!
Wear safety goggles!

- Blow-out with compressed air
- Clean with a rag

External cleaning

Clean with a moist rag.

Note:
Do not use aggressive cleaning agents!

Decommissioning

Please observe the following points when the machine will not be used for a lengthy period:

- 1.**
 - Garage the machine in a sheltered and dry storage place
 - Stand sweeper on a flat surface
 - Remove the master switch key
 - Lock the hand brake
 - Safeguard the sweeping machine from rolling away
 - Lock push handle (Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)

- 2.**
 - Raise main brush (Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)
 - Raise the side broom

- 3.**
 - Clean inside and outside of sweeper

- 4.**
 - Disconnect the batteries
 - Recharge the battery at intervals of approx. 2 months

Transport

Transport instructions



Warning!

When it is transported the machine must be secured against dislocation

- Lock the hand brake
- Disconnect the batteries
- Secure the machine with stretch belts or ropes
- Secure the machine with wedges on the wheels
- Lock push handle (Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)



Fastening areas

1. over the push handle
2. beneath the unit's cover

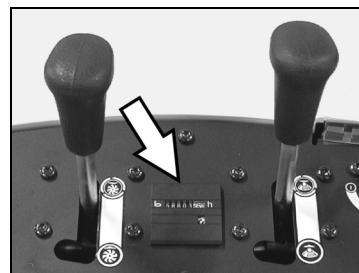
Note:

Observe markings for fastening areas on base frame!
(chain symbols)

Maintenance intervals

Elapsed-time meter

(Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)



Elapsed-time meter indicates maintenance interval times.

Maintenance by the customer

Daily maintenance

- Check roller and side brush for wear and trapped straps
- Check the function of all operating controls

Maintenance every 50 operating hours

- Check tension, wear and operation of traction belts and drive chain
- Check freedom of movement of Bowden cables and moving parts
- Check sealing strips at dust filter and operation of filter shaker
- Check setting and wear of sealing strips in sweeping area
- Check sweeping pattern and operation of main brush and side brush

- Clean and check dust filter, replace, if necessary
- Check roller and side brush for wear and trapped straps
- Check operation of all operating devices and indicator lights

Note:

Where maintenance is undertaken by the customer, all service and maintenance work must be carried out by a qualified employee. A Kärcher specialist dealer can be consulted whenever support is necessary.

Maintenance by the customer service department

(Comply with service manual)

Maintenance after the first month or 5 operating hours

First inspection

Maintenance every 50 operating hours

Maintenance every 100 operating hours or half-yearly

Maintenance every 500 hours or yearly

Note:
To safeguard warranty rights, during the warranty period all service and maintenance work must be performed by an authorised Kärcher after sales service.

Maintenance tasks

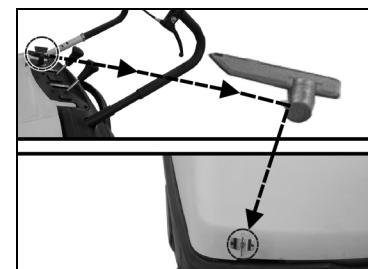
Preparations

- Stand sweeper on a flat surface
- Lock the hand brake
- Lock push handle (Applies only to KM 85/50 W Comfort and KM 85/50 W P Comfort)

Open/close unit cover

Note:

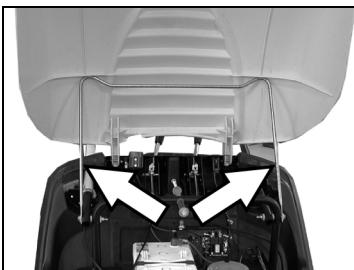
- The unit cover is lockable and can be opened and locked only with the master switch key.
- The key cannot be removed unless the unit cover is properly locked.



- Remove the master switch key
- Insert key in lock of the unit cover



- Turn key by 180°
- Open unit cover



- Safeguard the unit cover from shutting with the cover support during work on the unit

When finished:

- Lock the unit's cover with the master switch key

Safety notes



Danger!

The engine takes approx. 3...4 s to run down after being shut off. It is imperative to keep away from the area of the drive unit during this period!

Note:

- Comply with the operating instructions of the battery charger's manufacturer
- Work on batteries is permitted only after instruction by trained personnel
- Observe the safety instructions of the battery manufacturer.
- Warranty is valid only when using the batteries and charging units stipulated by Kärcher.



Danger!

Danger of burns!

- Allow the machine to adequately cool down prior to all maintenance and repair work
- Do not touch hot parts such as the driving engine.



Danger!

- Wear safety goggles and protective clothing
- Observe regulations for the prevention of accidents as well as DIN VDE 0510, VDE 0105 T.1



Danger!

Risk of fire and explosion!

- Smoking prohibited
- No naked flames, glowing embers or sparks in the vicinity of batteries
- Do not place any objects or tools on the battery because voltage is always present between the battery poles
- Areas in which batteries are charged must be well ventilated, as highly explosive gas forms during charging

Corrosive burn hazard with wet batteries!

- Rinse splashes of acid from eyes or off the skin generously with clean water
- Then consult a doctor immediately
- Wash contaminated clothing with water



- Old batteries with this symbol are reusable commodities and must therefore be returned for recycling
- Used batteries not appropriately recycled must be disposed of as hazardous waste in compliance with all regulations

Install battery

KM 85/50 W Comfort and KM 85/50 W Classic

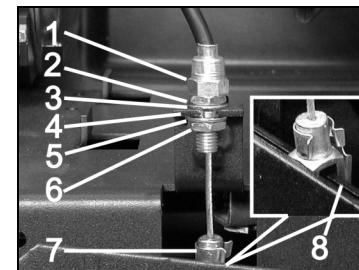
Note:

See accessories for recommended battery and battery charger.

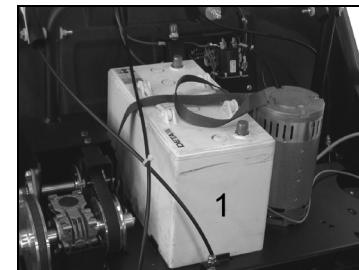


Warning!

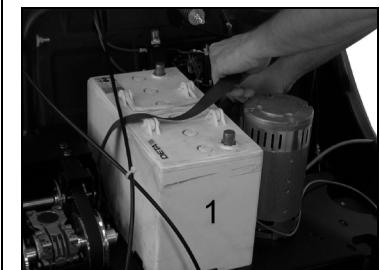
To prevent damage to the bowden cable, release it from the retaining plate.



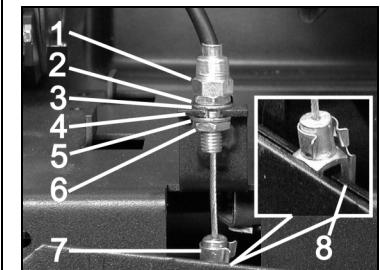
- Pull the pin out of fork head (7) and lever (8)
- Take out pin from fork head (7)
- Unscrew locking nut (6)
- Demount adjusting nut (1) from retaining plate (4)



- Place the battery (1) on the engine cradle



- Secure the battery (1) with a battery clamping band



Reconnect bowden cable to retaining plate and adjust it, if necessary

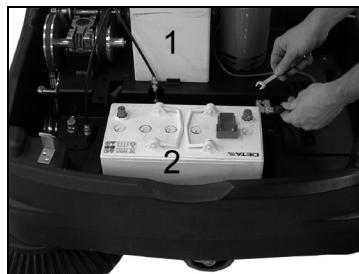
- Hinge adjusting nut (1) in retaining plate (4)
- Tighten locking nut (6) using flat washers (3 and 5) to locking nut (2)
- Position fork head (7) to lever (8)
- Push pin through fork head (7) and lever (8) and secure it



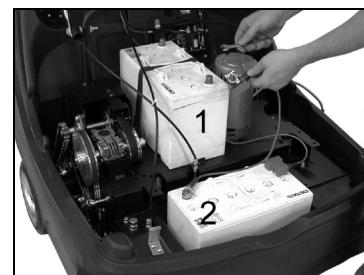
- Insert battery (2) into the battery container

Note:

When using batteries with a liquid electrolyte coat the battery terminals adequately with terminal grease to protect them from corrosion!



- Screw positive post wire to battery (2)



- Screw negative post wire of battery (2) to positive post of battery (1)



- Screw negative post wire to battery (1)

Charge the battery**KM 85/50 W Comfort**

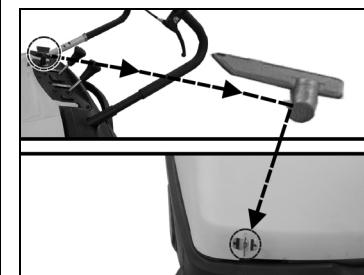
- Switch the machine off



- Always heed safety precautions for handling batteries!
- Strictly comply with the operating instructions of the battery charger's manufacturer



- Lift off cap of battery's charging socket
- Connect charger's charging plug
- Plug in power plug and, if necessary, switch on battery charger

KM 85/50 W P Comfort

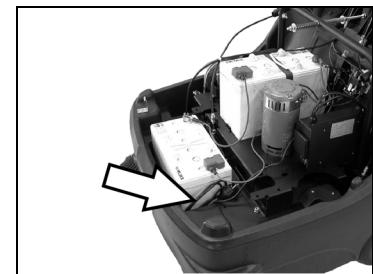
- Remove the master switch key
- Insert key in lock of unit cover



- Turn key by 180°
- Open unit cover



- Safeguard the unit cover from shutting with the cover support during work on the unit



- Plug in power plug of the integrated battery charger into the plug-socket

State of battery charge indicator**Yellow**

Battery is charging

Green

Battery is charged

Flashing yellow**Fault**

➤ Notify the Kärcher service station

When finished:

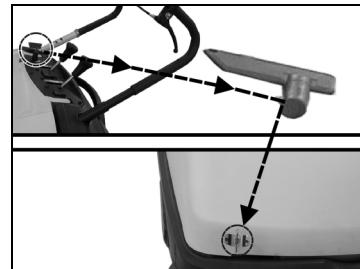
- Lock the unit's cover with the master switch key

KM 85/50 W Classic and KM 85/50 W P Classic

- Switch the machine off



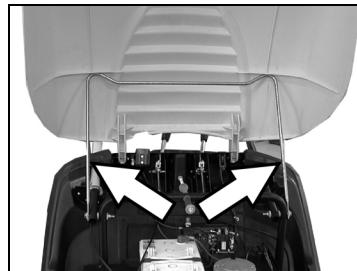
- Always heed safety precautions for handling batteries!
- Strictly comply with the operating instructions of the battery charger's manufacturer



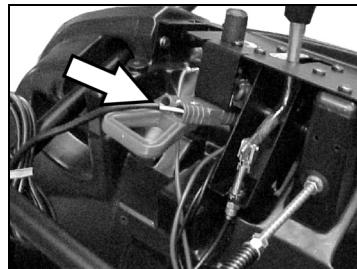
- Remove the master switch key
- Insert key in lock of unit cover



- Turn key by 180°
- Open unit cover



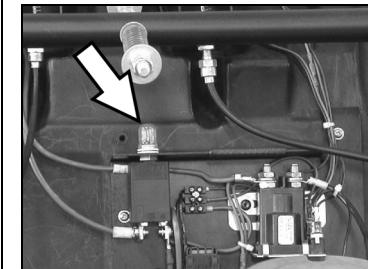
- Safeguard the unit cover from shutting with the cover support during work on the unit



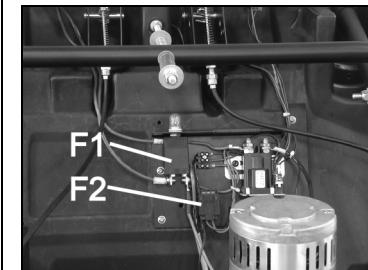
- Connect charger's charging plug
- Plug in power plug and, if necessary, switch on battery charger

When finished:

- Lock the unit's cover with the master switch key

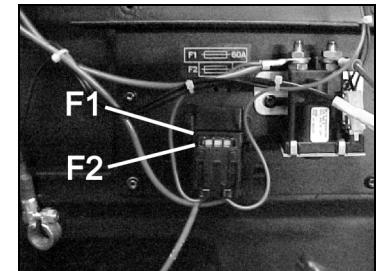
Fuses**KM 85/50 W Comfort and KM 85/50 W P Comfort****Reset the safety cutout**

- Press the button



Load circuit F1 fuse
Automatic cutout (50 A)

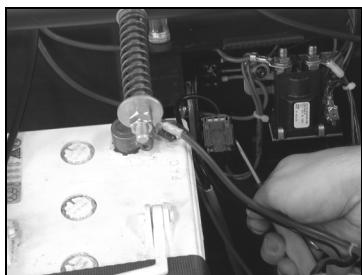
Control circuit F2 fuse
Fuse (3 A)

KM 85/50 W Classic and KM 85/50 W P Classic

Load circuit F1 fuse
Fuse (60 A)

Control circuit F2 fuse
Fuse (3 A)

Replacing the fuse



- Remove cover using a screwdriver
- Replacing the fuse
- Replace cover

Note:

The automatic cutout must be depressed.
(Applies only to
KM 85/50 W Comfort and
KM 85/50 W P Comfort)

Check the sweep roller

- Lock the hand brake
- Remove the swept material container



- Remove tapes and string from the sweep roller
- Insert the swept material container

Replace the sweep roller

Replacement is necessary when the main brush cannot be readjusted any more and sweeping efficiency obviously deteriorates due to worn bristles.

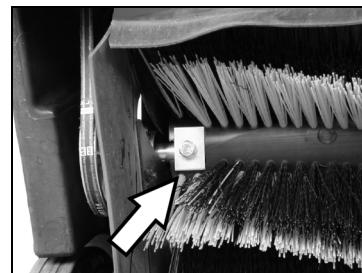
- Release push handle lock by turning it counterclockwise
(Applies only to
KM 85/50 W Comfort and
KM 85/50 W P Comfort)



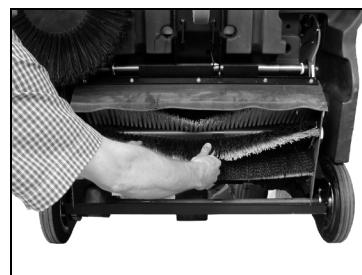
Danger!

- Remove the debris container prior to tilting the sweeper (see the section on "Emptying the debris container"). For KM 85/50 W Comfort and KM 85/50 W P Comfort it is additionally necessary to release the push handle lock!

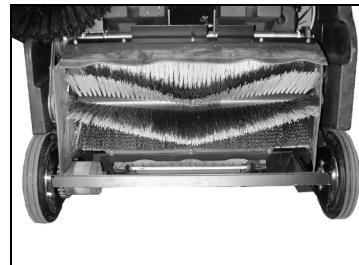
- Tilt the machine back



- Unscrew the left and right fastening screws



- Remove main brush downwards



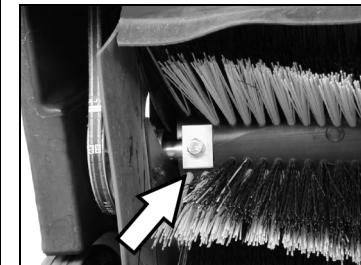
- Pay attention to the position of the bristle set when installing the new main brush!

Note:

The bristle pile is structured to an arrow which must point towards the rear wheels.



- Insert new main brush and fasten

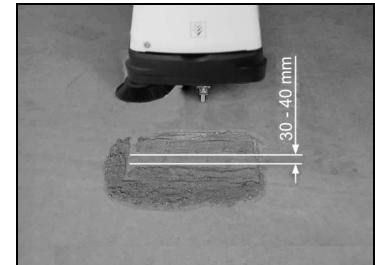


- Make sure that the position of the rectangular clamping plate is proper!
- It must overlap the main brush at the top and bottom

- Insert the swept material container

Checking and adjusting sweeping area of the sweeping roller

- Cover a level surface evenly with dust
- Raise the sweeping machine on the front and put it on the prepared surface
- Lock the hand brake
- Run the main brush for approx. 15-30 s
- Raise the sweeping machine on the front and move it to the side



The form of the sweeping pattern forms a regular rectangle, that is between 30 - 40 mm wide.

Note:

If the sweeping pattern is uneven it can be corrected by readjusting the sweeping pattern width!

Setting the sweeping pattern width for KM 85/50 W Comfort and KM 85/50 W P Comfort

Note:

The bowden cable must be readjusted if the sweeping pattern is insufficient and the bowden cable is tight when the main brush is in its lowered position.



- Set sweeping pattern at the bowden cable
- Check the sweep mirror again

Setting the sweeping pattern width for KM 85/50 W Classic and KM 85/50 W P Classic

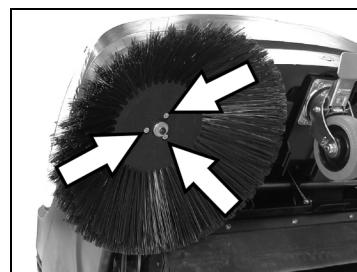


- Turn the rotary knob(1)
 - Turning it counterclockwise: the sweeping pattern is increased
 - Turning it clockwise: the sweeping pattern is reduced
- Check the sweep mirror again

Replacing the side broom

Replacing it is necessary when the sweeping effect visibly deteriorates due to wear of the bristles.

- Unlock push handle lock by turning it anticlockwise
- Remove the debris container prior to tilting the sweeper (see the section on "Emptying the debris container"). For KM 85/50 W Comfort and KM 85/50 W P Comfort it is additionally necessary to release the push handle lock!
- Tilt the machine back



- Undo screws (3 pieces) at underside of the side brush
- Take-off the side broom
- Slide new side brush onto shaft
- Fasten with screws (3 pieces)
- Tilt the machine back upright

Adjusting lowering of side brush

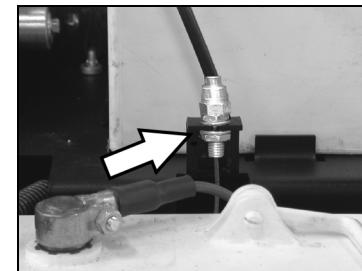
Readjustment is necessary when the sweeping efficiency of the side brush deteriorates due to worn bristles.



- Unscrew the locking nut
- Readjust the setscrew
- Tighten the locking nut

Adjusting raising of coarse-dirt flap

Readjustment is necessary when it is not possible to sufficiently raise or lower the coarse-dirt flap.



- Unscrew locking nut
- Readjust the setscrew
- Tighten locking nuts

Adjusting and replacing sealing strips

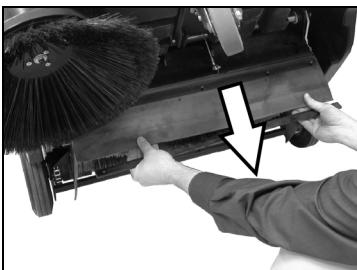
When the sweeping effect diminishes due to wear of the sealing strips they must be readjusted or replaced

- Unlock push handle lock by turning it anticlockwise
- Remove the debris container prior to tilting the sweeper (see the section on "Emptying the debris container"). For KM 85/50 W Comfort and KM 85/50 W P Comfort it is additionally necessary to release the push handle lock!
- Tilt the machine back

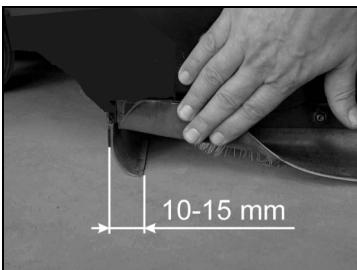


Front sealing strip

- Loosen the fastening screws of the sealing strip



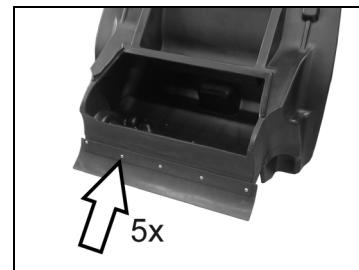
- Readjust the sealing strip downwards by relocating it in the elongated hole
- Tighten the fastening screws of the sealing strip
- Set the vacuum sweeper upright and push it slightly forwards



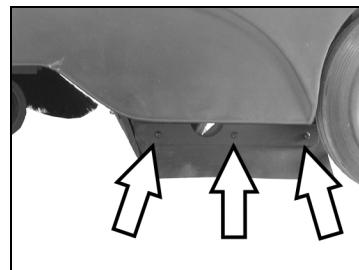
- The clearance of the front sealing strip to the floor must be set so that its whole width folds back with a lag of 10 - 15 mm
- Repeat the adjustment as required

Note:

- The sealing strip must be replaced if, due to being too worn, the clearance of the front sealing strip to the floor can no longer be adjusted
- Unscrew the fastening screws and replace the whole sealing strip

**Rear sealing strip**

- Remove the swept material container
- Undo screws of sealing strip at the debris container
- Replace sealing strip
- Tighten screws of sealing strip

**Side sealing strips**

- Loosen the fastening of the sealing strip
- Replace sealing strip
- To adjust clearance to floor push a 1 - 2 mm thick spacer under it
- Align the sealing strip
- Tighten the fastenings of the sealing strip

Replace the dust filter

- Empty and remove debris container prior to starting to replace the dust filter
- Wear a dust protection mask when working on the filter system
- Observe the safety precautions for handling fine dust
- Lock the hand brake



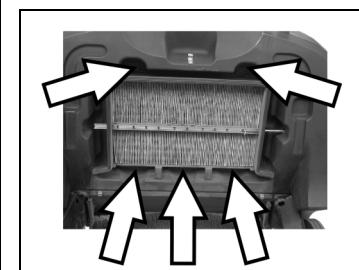
- Remove frame
- Replace the dust filter

Note:

Make sure when mounting the new filter that the lamella are not damaged



- Remove safety cotter pin of the shaker rod
- Pull out rod.



- Loosen fastening screws.

Accessories**Side brush 6.905-626**

Provided with standard bristles for indoor and outdoor surfaces.

Soft side broom 6.906-132

For fine dust on indoor surfaces, resistant to moisture.

Hard side broom 6.905-625

For removing stubborn external dirt, damp-proof.

profi main brush 6.906-508**KM 85/50 W Comfort and KM 85/50 W P Comfort**

For professional applications, especially wear-resistant.

Standard main brush 6.906-509**KM 85/50 W Classic and KM 85/50 W P Classic**

Wearproof and waterproof.

Universal bristles for indoor and outdoor cleaning.

Dust filter 5.731-585

Waterproof, washable. Filter efficiency > 99,9 %, corresponds to category C of ZH 1/487 of BIA.

Battery (recommended)**KM 85/50 W P Comfort 6.654-141**

100 Ah, maintenance-free

KM 85/50 W Comfort 6.654-093

75 Ah, maintenance-free

KM 85/50 W Classic and KM 85/50 W P**Classic 6.654-048**

80Ah, low-maintenance

Battery charger**KM 85/50 W P****Comfort****6.654-140**

24 V

KM 85/50 W Comfort 6.654-102

24 V

KM 85/50 W P Classic 6.654-067

24 V

Fault instructions**Machine will not start**

- Charge the battery
- Check fuses, if necessary, depress automatic cutout or replace affected fuse
- Notify the Kärcher service station

Motor running but machine not moving

- Check belts and chain
- Release push handle lock
(Applies only to
KM 85/50 W Comfort and
KM 85/50 W P Comfort)
- Notify the Kärcher service station

Machine remains stationary on inclines

- Select flatter route
- Notify the Kärcher service station

Machine not sweeping properly

- Check the main brush and the side brushes
- Check belt for tension and operation; replace, if necessary
- Re-adjust main brush
- Replace the sweep roller
- Notify the Kärcher service station

Machine making dust

- De-dust or replace the dust filter
- Empty debris container
- Adjust or replace the sealing strip
- Replace seal at debris container and main brush box

Poor sweeping around the edges

- Readjust lowering of the side brush
- Replacing the side broom
- Notify the Kärcher service station

Raising the side brush does not function

- Check the Bowden cable of the raising mechanism
- Notify the Kärcher service station

Yellow LED of battery charger flashes

(Applies only to
KM 85/50 W P Comfort and
KM 85/50 W P Classic)

- see battery charger's operating instructions
- Notify the Kärcher service station

Technical data**Unit data****Length x width x height**

1355 x 910 x 1155 mm

Weight

1.351-101 /-102
115 kg

1.351-111

175 kg

1.351-112

195 kg

Sweeping speed

4,5 km/h

KM 85/50 W Comfort and KM 85/50 W P Comfort

Climbing capacity, max.
15% with the additional
brake 2.640-301.0
approved up to a max. of 2%
without the additional brake

KM 85/50 W Classic and KM 85/50 W P Classic

Climbing ability limited to max. 2 %

Main brush diameter

250 mm

Side brush diameter

410 mm

Area performance

3825 m²/h

Maximum operating time per battery charge

2,7 h

Working width without side brush

610 mm

Working width with side brush

850 mm

Debris container volume

50 litres

Degree of protection

IPX 3 drip-proof

Engine**Type**

Permanent magnet d.c. motor

Voltage

24 V

Rated speed

2600 1/min

Rated power

750 W

Battery capacity

1.351-111
2 x 12 V, 80 Ah, low-maintenance

1.351-112

2 x 12 V, 100 Ah, low-maintenance

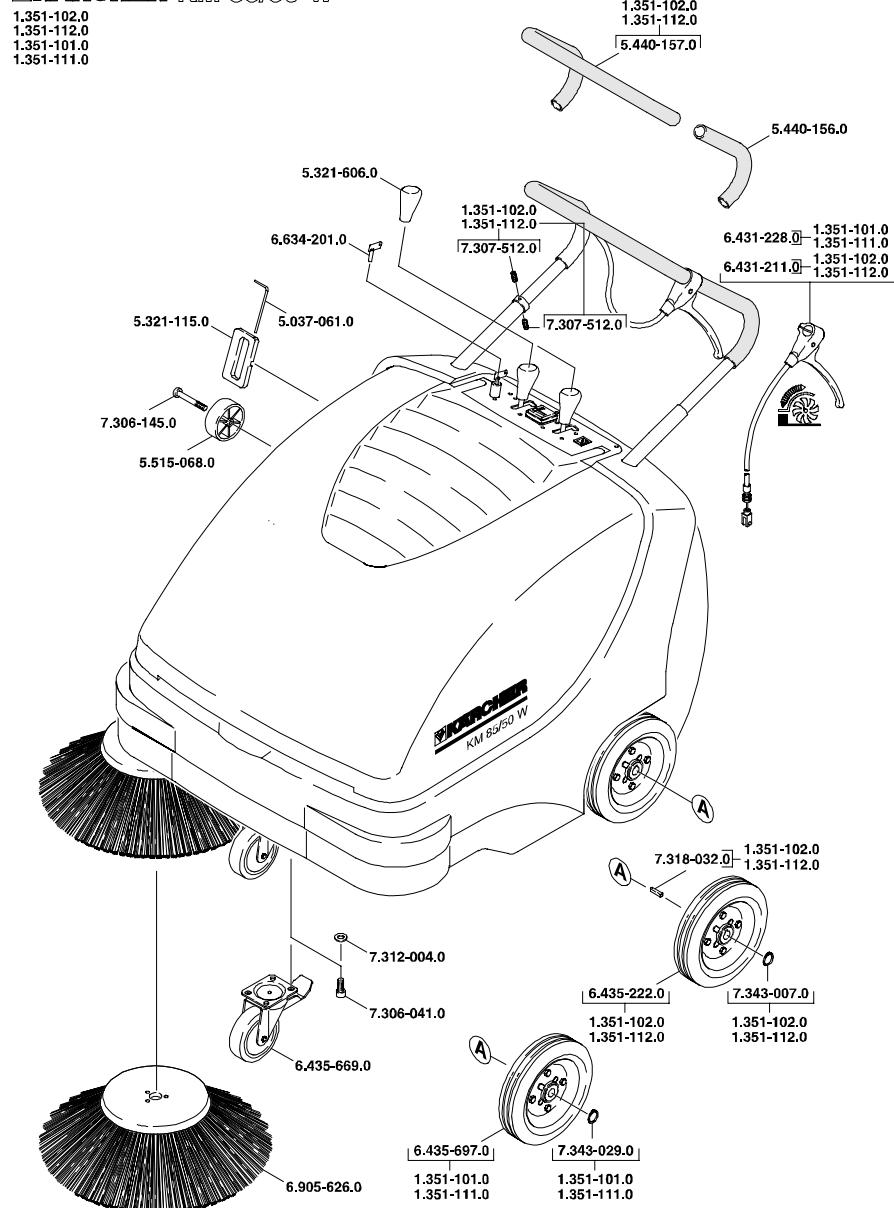
Filter and suction system**Dust filter filtering surface**

2,3 m²

		EC conformity declaration	Applied conformity valuation method	Managing directors:
Filter application category for non-health hazardous dusts	L	We hereby declare that the machine specified below as the marketed design, the machine specified below complies with the relevant fundamental safety and health requirements of the EC directives listed below. Modification of the machine without our approval invalidates this declaration.	Appendix V	Dr. Bernhard Graf, Hartmut Jenner, Georg Metz
Nominal vacuum intake system	4 mbar		Measured sound pressure level: 82 dB(A)	Alfred Kärcher GmbH & Co. KG Cleaning Systems Alfred-Kärcher-Strasse 28-40 P.O.Box 160 D-71349 Winnenden Phone: ++49 7195 14-0 Fax :++49 7195 14-2212
Intake system nominal volumetric flow	45 l/s		Guaranteed sound pressure level: 83 dB(A)	
Unit vibrations (ISO 5349)		Product: Sweeper Type: 1.351-xxx	Internal measures ensure that the in series produced units always comply with the requirements of current EC directives and applied standards. The signatories act for and in authority of management.	
Upper limbs	0,4 m/s ²		5.957-709 (08/02)	i.V. Reiser  (Reiser)
Ambient conditions		Relevant EC directives EC machine directive (98/37/EC) EC directive on electromagnetic compatibility (89/336/EEC) amended by 91/263/EEC, 92/31/EEC, 93/68/EEC EC guideline on noise emissions (2000/14/EU)	Alfred Kärcher Limited Partnership. Registered office: Winnenden. Registration court: Waiblingen, HRA 169. Personally liable partner. Kärcher Reinigungstechnik GmbH. Registered office Winnenden, 2404 Waiblingen Company Register, HRB	Jenner  (Jenner)
Temperature	-5 - +40°C			
Air humidity, non-dew developing	0-90%	Applied harmonised standards DIN EN 60 335 – 1 DIN EN 60 335 – 2 - 29 DIN EN 60 335 – 2 - 72 DIN EN 55 014 – 1: 2000 + A1: 2001 DIN EN 55 014 – 2: 1997 DIN EN 61 000 – 3 – 2: 2000 DIN EN 61 000 – 3 – 3: 1995 + A1: 2001		
Noise emission		Applied national standards --		
Sound pressure level (EN 60704-1)	66 dB(A)			
Guaranteed sound power level level (2000/14/EU)	83 dB(A)			

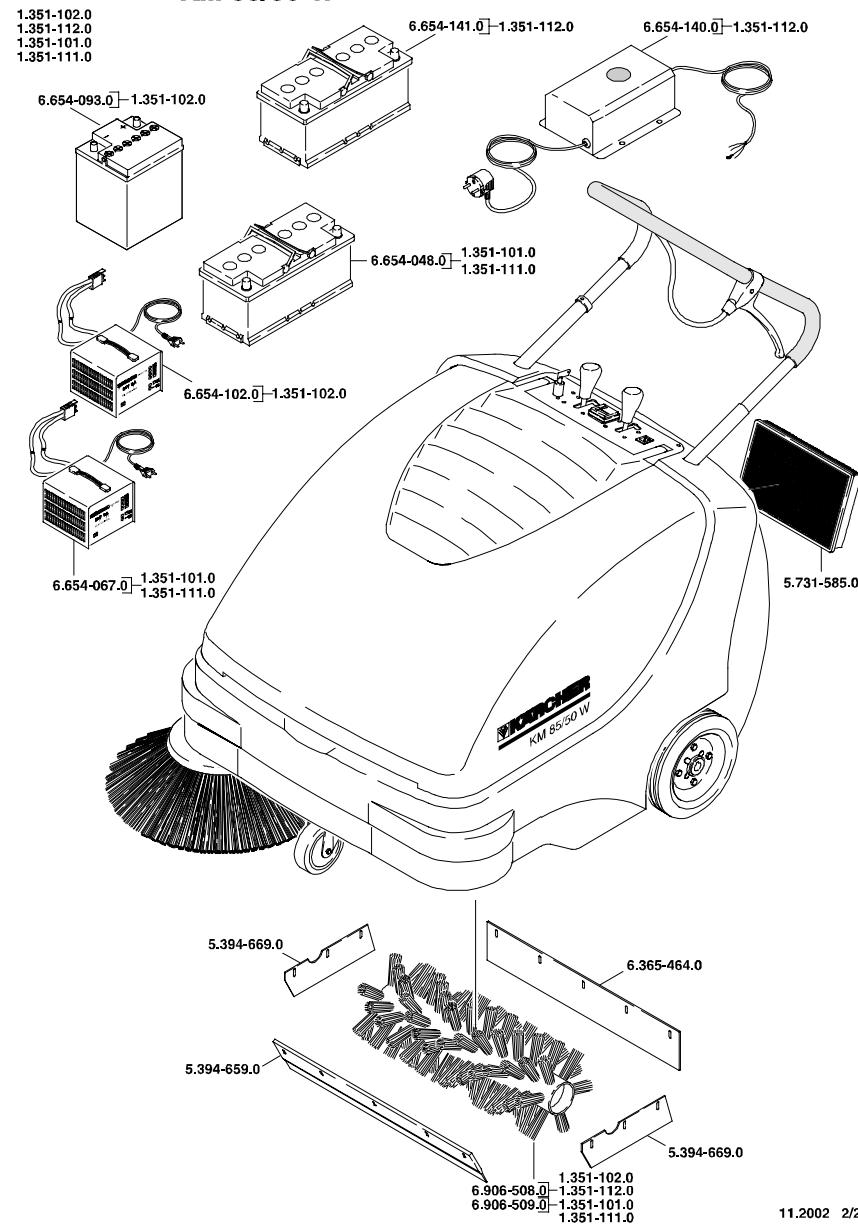
KM 85/50 W Comfort / KM 85/50 W Classic / KM 85/50 W P Comfort / KM 85/50 W P Classic

KARCHER KM 85/50 W



11.2002 1/2

KARCHER KM 85/50 W



11.2002 2/2